* Project: Online Shopping System
* This “Online-Shopping-System” is a database system where a shop will have the facility to calculate and manage everything. It contains all the necessary details of all products, customers and employees on a daily, monthly and yearly basis. Through this system the manager of a shop can easily manages the functions of his shop.
* The main entities of the Online Shopping System are:

1. Customer
2. Products
3. Product Details
4. Employees
5. Oder Section
6. Payment System
7. Suppliers

* Online Shopping System Schema:

1. address – (Address\_ID, Apartment\_Number, Street, Customer\_ID)
2. bill – (Billing\_ID, Billing\_Date, Amount\_Paid, Voucher\_ID, Payment\_ID, Order\_ID)
3. customer – (Customer\_ID, First\_Name, Last\_Name, Phone\_Number, Email\_Address, Customer\_Type)
4. customer category – (Customer\_Catagory, Customer\_ID)
5. Employees -- (Employee\_ID, Employee\_Name, SSN, Designation, Employee\_Type, Salary, Payment\_ID)
6. order product— (Quantity, Product\_ID, Order\_ID)
7. orders-- (Order\_ID, Order\_Date, Status, Shippent\_Duration, Payment\_ID)
8. payment-- (Payment\_ID, Payment\_Mode, Card\_Type, Card\_Number, CVV, Name\_On\_Card, Customer\_ID)
9. product-- (Product\_ID, Product\_Name, Available\_Number, Group\_ID, Supplier\_ID, Review\_ID)
10. product details-- (Product\_ID, Weight, Width, Height, Colour)
11. product group-- (Group\_ID, Group\_Name)
12. reviews -- (Quality\_Rating, Defect%, Review\_ID, Review\_Date)
13. supplier-- (Supplier\_ID, Supplier\_Name, Supply\_Quantity)
14. voucher-- (Voucher\_ID, Discount%)
15. zip code-- (State, Zipcode\_ID, City, Address\_ID)

* Each entity (Customer, Products, Products details, Employee, Order Section, Payment System, Supplier) contains the primary key. There is one-to-one, many-to-many and one-to-many relationships available between reviews, voucher, zip-code, product-group, person and multi-value attributes are customer, employee. ‘Customer’ is a strong entity with identifier ‘Customer\_id’ created to be the primary key used to distinguish between customer.

